

IN THE CLAIMS

Please amend Claims 11-13 as follows.

1-10. (Canceled)

11. (Currently Amended) An imaging apparatus comprising:

a photoelectric conversion area including a plurality of photoelectric converters;
a controller configured to continuously perform a plurality of image-taking operations at a plurality of different charge accumulation times, respectively, in a state where the photoelectric conversion area is not shielded by a shutter, and continuously perform a plurality of dark capture operations at the plurality of different charge accumulation times, respectively, in a state where the photoelectric conversion area is shielded by the shutter after completion of continuous performing the plurality of image-taking operations; and

an image processor configured to correct ~~a plurality of~~ image data which is acquired in the plurality of image-taking operations with ~~a plurality of~~ correction data which is acquired in the plurality of dark capture operations,

wherein the plurality of different charge accumulation times of the dark capture operations are equal to that of the image-taking operations.

12. (Currently Amended) The imaging apparatus according to Claim 11, wherein ~~at least two~~ of the accumulation times for generating the correction data in the dark capture operations are different, and the dark capture operations are performed in the same order as the image taking operations.

13. (Currently Amended) The imaging apparatus according to claim 11, wherein ~~at least two~~ of the accumulation times for generating the correction data in the dark capture operations are different, and the dark capture operations are performed in ascending order of the image taking operations.